

# User Manual / Installation Guide

## Model No. OT17/CT17

**Warning!** It will cause malfunction if the monitor is operating with unspecified power supply unit or incorrect power voltage. Do not exposure this unit in the rain or moisture environment to reduce the risk of fire or electric shock.

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## **I. Introduction**

OT17/CT17 is color TFT LCD monitor, integrate with ELO or TWN resistive touch, suitable for many types of application. Optional MSR and 2<sup>nd</sup> display, please contact our regional distributor for further information.

### **➤ Features**

- Optimal display resolution 1280 \* 1024
- VESA 100 \* 100 mm wall mount standard
- Durable and sturdy base design
- Optional 3 tracks Magnetic Strip Reader (MSR)
- Optional variety of 2<sup>nd</sup> display (7"/8.4")
- Adjustable viewing angel freely up to 90 degrees horizontally
- Low power consumption only 20W with CCFL backlight
- Packing box to be recycled as a free storage cabinet

➤ **Unpacking the monitor**

- Put the monitor on a clean surface, make sure the box in upright position.
- Remove packing materials from inside of box.

**Check accessory**

Please make sure all the accessory are included:

**Standard Items**

a.



b.



c.



d.



e.



f.



a. LCD Monitor

c. Touch driver / User Manual CD

e. Power adaptor

b. VGA cable

d. Touch cable (USB or RS232)

f. Power cable

**Optional Items**

a.



a. MSR

b.

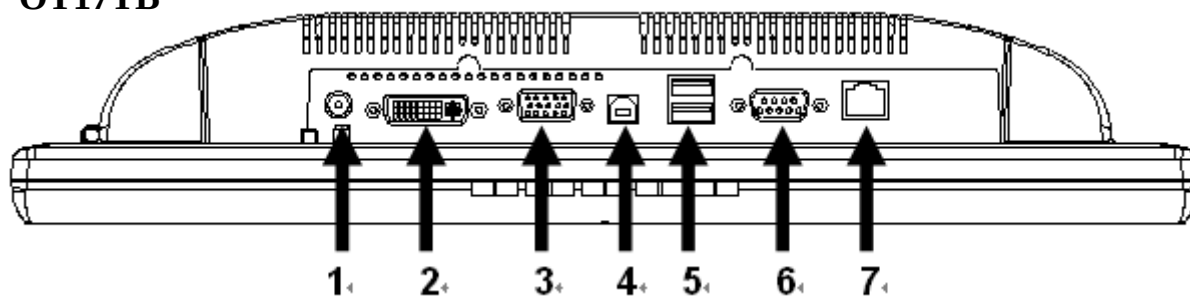


b. 2<sup>nd</sup> display ( 7" or 8.4" )

## II. Installation

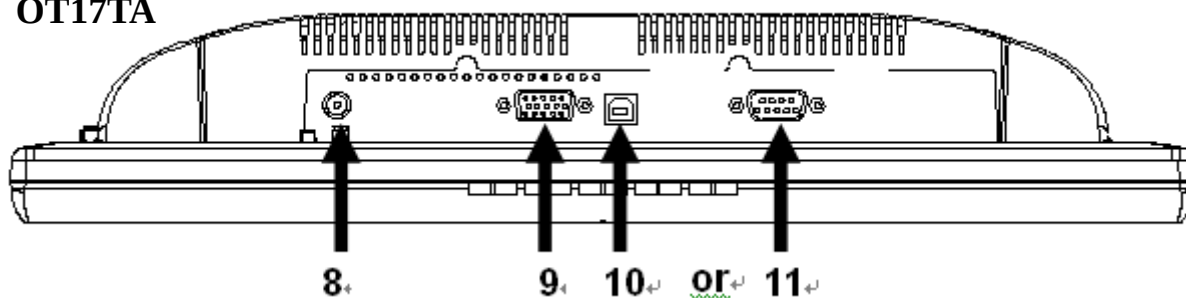
### ➤ I/O placement:

#### OT17TB



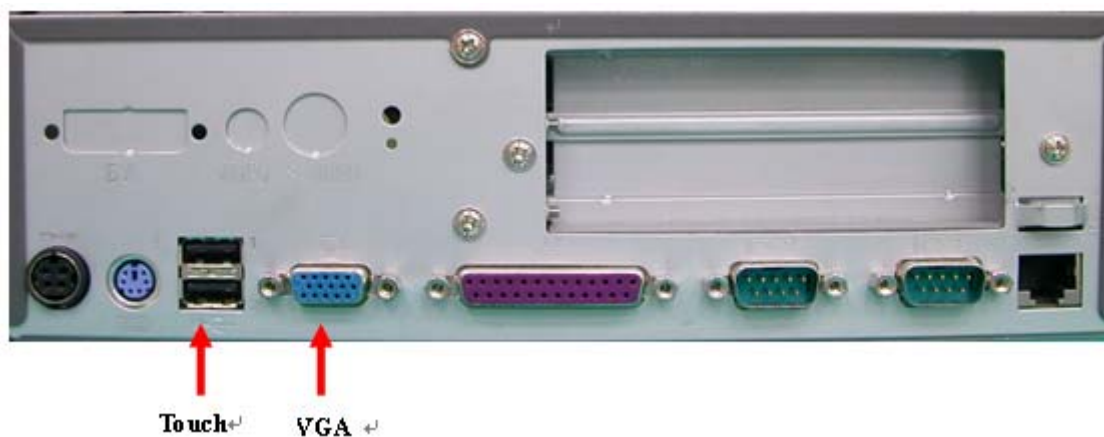
- |                   |              |
|-------------------|--------------|
| 1 DC JACK         | 2 DVI        |
| 3 VGA             | 4 USB B Type |
| 5 Dual USB A Type | 6 RS232      |
| 7 RJ45(RS232)     |              |

#### OT17TA



- |                |           |
|----------------|-----------|
| 8. DC JACK     | 9. VGA    |
| 10. USB B Type | 11. RS232 |

### ➤ To PC:



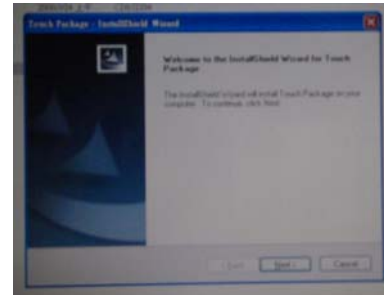
1. Connect VGA cable from monitor to PC
2. Connect USB touch cable to PC
3. Connect DC plug to monitor and the other side to wall outlet

## ➤ Touch Driver installation :

### TWN Touch :



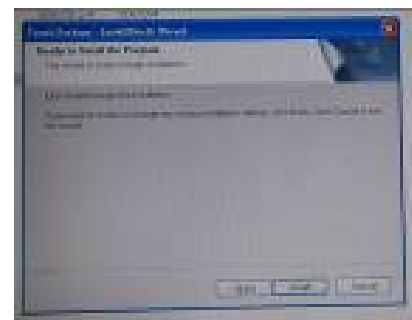
1. Double click "setup.exe" from driver menu



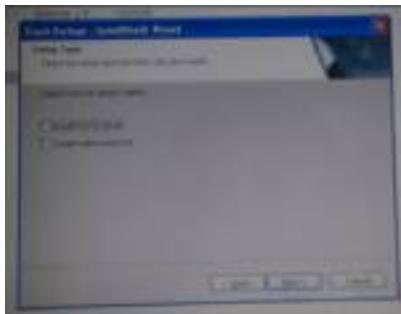
2. Click "next" from welcome window



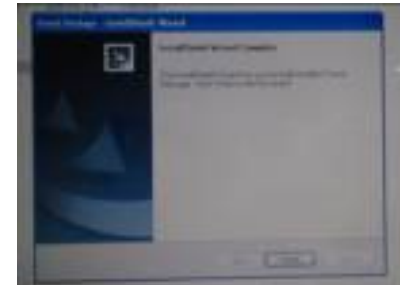
3. Click "next" from choose destination location window



4. Click "next" from ready to install the program



5. Click "next" from setup type



6. Click "finish" when setup completed

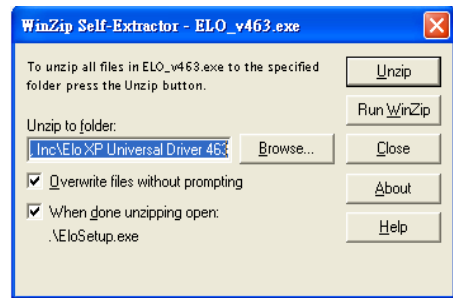
### Calibration procedures:

1. Double click "POS Touch+" icon to run calibration function
2. Follow 9 points linearity calibration procedures and save the data
3. Follow free draw calibration
4. Exit calibration menu
5. Reboot PC

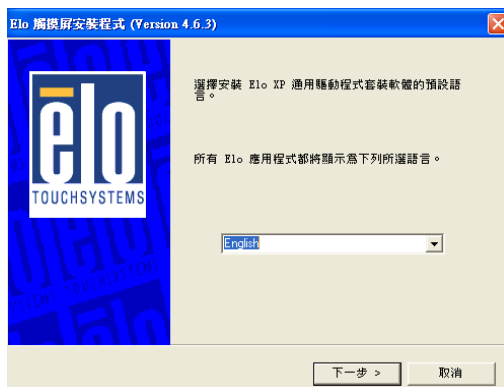
## ELO Touch :



1.Install ELO Touchscreen Driver



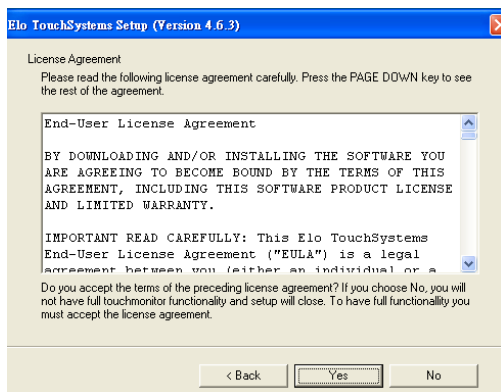
2. Click “Unzip” from WinZip Self-Extractor-ELO\_v463.exe



3. Click “next” from Select Language



4.Select Install Serial or USB Touchscreen Driver



5.Click-on “Yes” after Installation



6. Click-on “Finish”

## Calibration procedures:

1. Double click “Elo Touchscreen” icon to run calibration function
2. Follow 3 points linearity calibration procedures and save the data
3. Follow free draw calibration
4. Exit calibration menu

➤ **MSR installation (optional) :**

Components of MSR Kit:

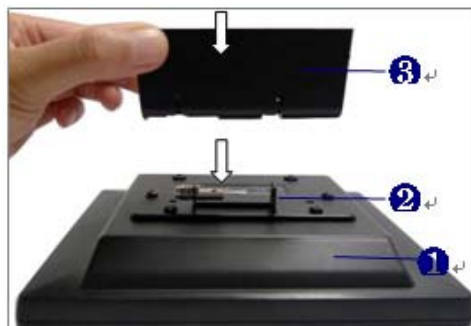
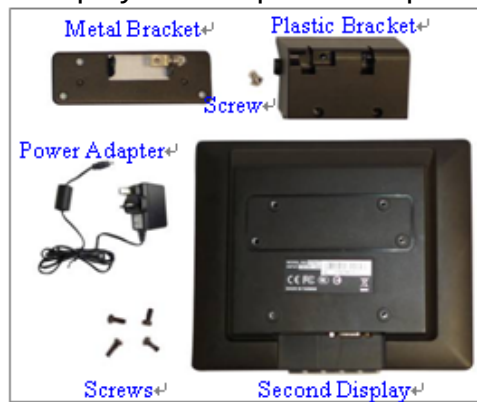


1. Slide the MSR into the right position of the System.
2. Fasten the screws (x2).

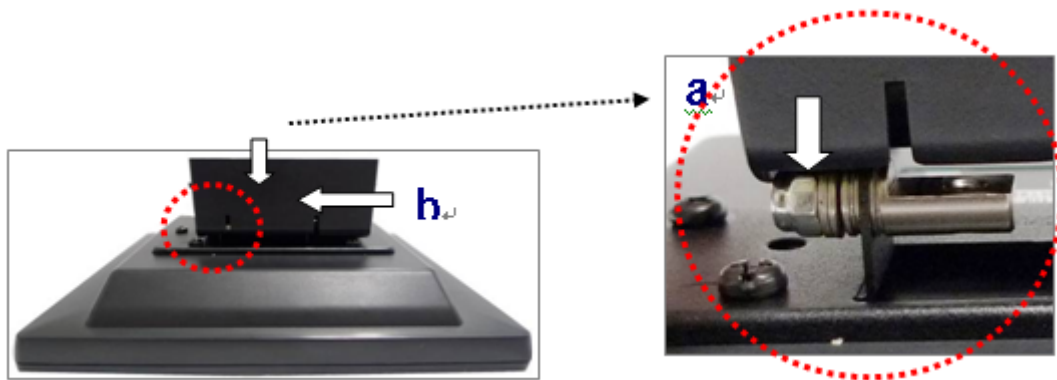
➤ **Second Display installation (optional) :**

To install the Second Display, please open the VFD cover first.

Components of Second Display Kit with power adapter:



1. Fix the parts of Second Display modules as steps ① → ② → ③ as above left picture shows. (detail steps as below)
  - ① Put the second display upside down.
  - ② Place the metal bracket onto the rear side of the second display and fasten the screws (x4) to fix metal bracket with the system.



③ Align the plastic bracket into the right position of metal bracket.

- (a) Align the plastic bracket onto the metal bracket.
- (b) Push to left until the click sound appears.

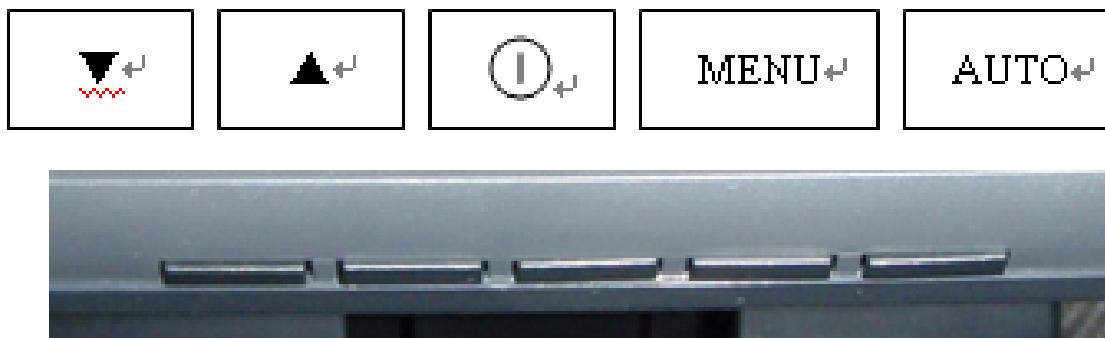


- 2. Fasten the screw (x1) to fix the plastic bracket and Second Display module with metal bracket.
- 3. Slide the Second Display Module into the slot.



- 4. Fasten the screws (x2) to fix the Second Display module with the System.
- 5. Connect the VGA cable to the Second Display Module and the System.
- 6. Connect the DC plug to the Second Display Module and the other side to wall outlet.
- 7. Finish

## ➤ Control Buttons



|                |                                                                                                                                                                                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power          | Use the power switch to turn the power ON or OFF. We recommend to turn your system power on first, then the LCD monitor.                                                                                                                                |
| Auto Adjusting | a.) Pressing to execute AUTO-Adjusting function. This function will set the monitor display area to the optimal position.<br>b.) Sometimes this function can't achieve the optimal effects. Please follow the manual adjusting procedure.               |
| Up             | a.) When OSD mode is activated (When "MENU" key is pressed). The two keys are used to select the adjustment items.                                                                                                                                      |
| Down           | b.) When adjustment item is selected, the two keys are defined to decrease or increase the value of each selected item.                                                                                                                                 |
| Menu           | When the light bar move other item, the key are used to select it, and read to adjust. Press the MENU key to activate the On Screen Display (OSD). Press twice to turn off the OSD. After 30 sec idle time, the OSD screen will automatically turn off. |

➤ **Structure of OSD settings:**

|           | First Level   | Second Level                                                                              | Third Level                  | Operating Procedure                                                                                                                                                                                                                                                                                                                                                      |
|-----------|---------------|-------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main Menu | Auto Adjust   |                                                                                           |                              | Press “UP” or “DOWN” to adjust H-phase & H-position & V-position clock automatically.                                                                                                                                                                                                                                                                                    |
|           | Luminance     | Brightness<br>Contrast<br>Exit                                                            |                              | Press “UP” key to increase brightness, “DOWN” key to decrease brightness.<br>Press “UP” key to increase contrast, “DOWN” key to decrease contrast.                                                                                                                                                                                                                       |
|           | Geometry      | H. Position<br>V. Position<br>Clock<br>Phase<br>Exit                                      |                              | Press “UP” key to shift screen right, “DOWN” key to shift screen left.<br>Press “UP” key to shift picture upward, “DOWN” key to shift picture downward.<br>Adjust sampling clock of analog to digital converter until clock is equal to pixel frequency of video input.<br>By varying this “UP” “DOWN” control the exact sampling time within the pixel can be adjusted. |
|           | Color         | 9300K<br>6500K<br>5800K                                                                   |                              | Press “UP” or “DOWN” to choose three types of color temperature 9300°k, 6500°k and user define.                                                                                                                                                                                                                                                                          |
|           |               | User Preset                                                                               | Red<br>Green<br>Blue<br>Exit |                                                                                                                                                                                                                                                                                                                                                                          |
|           |               | Exit                                                                                      |                              |                                                                                                                                                                                                                                                                                                                                                                          |
|           | OSD           | H. Position<br>V. Position<br>OSD Timeout<br>Exit                                         |                              | Adjust OSD frame horizontal location, press “UP” key to shift frame right, “DOWN” key to shift frame left , timeout and preset OSD.<br>Adjust OSD frame vertical location, press “UP” key to shift frame upward, “UP” key to shift frame downward , timeout and preset OSD.                                                                                              |
|           | Language      | English<br>French<br>German<br>Italian<br>Spanish<br>Japanese<br>T. Chinese<br>S. Chinese |                              | Press “UP” or “DOWN” to choose any one of the following language, English, French, Germany, Italy, Spain , Japanese, Traditional Chinese and Simplified Chinese.                                                                                                                                                                                                         |
|           | Recall        | Color Recall<br>Recall All<br>Exit                                                        |                              | Recall the default value.                                                                                                                                                                                                                                                                                                                                                |
|           | Miscellaneous | Sharpness<br>Display<br>Information<br>Exit                                               |                              | Press “UP” key to increase sharpness, “DOWN” key to decrease sharpness.                                                                                                                                                                                                                                                                                                  |
|           | Exit          |                                                                                           |                              |                                                                                                                                                                                                                                                                                                                                                                          |

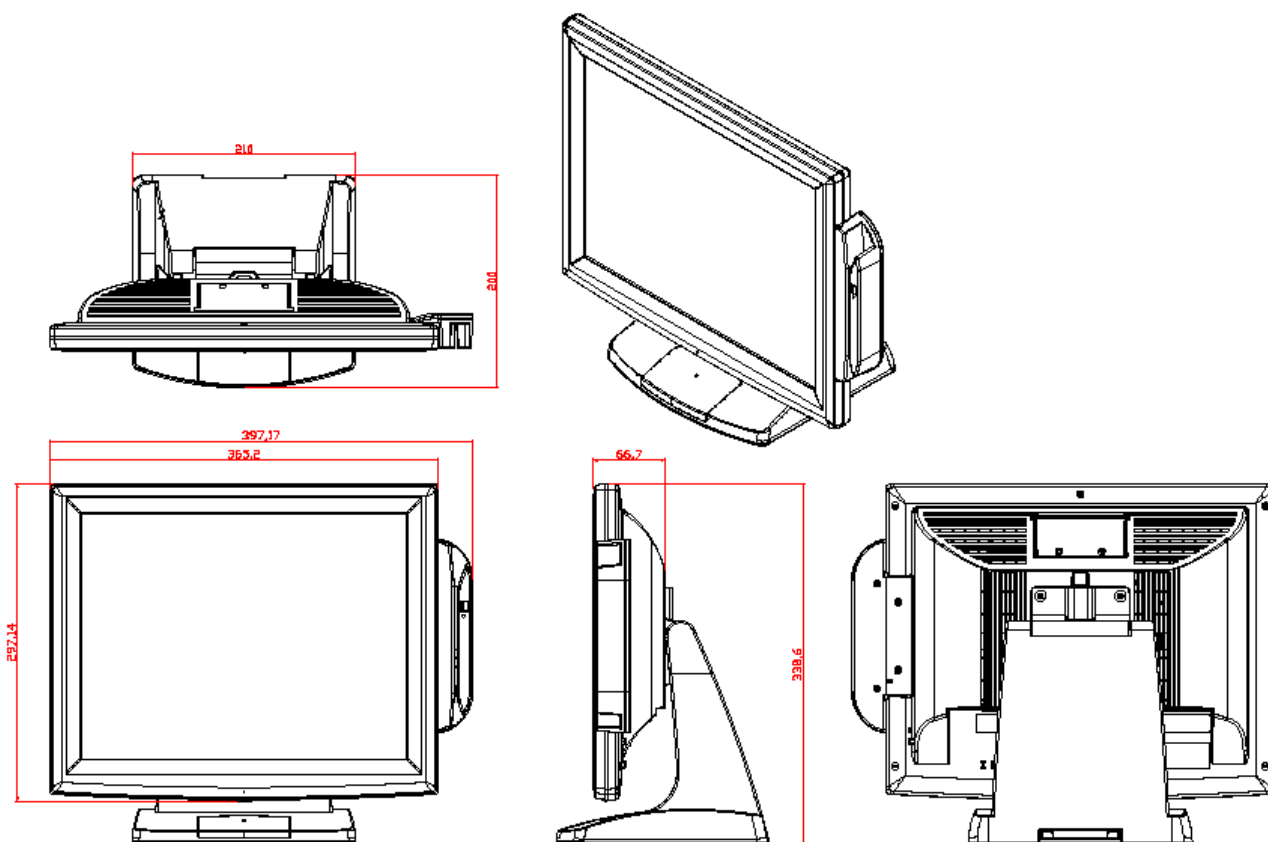
### **III. For your safety**

1. When move the monitor, always switch off power and disconnect all cables to avoid any danger.
2. Please use the power and signal cables correctly when install or bend it.
3. In case of notice any abnormal smell or noise, please stop operation and call the nearest dealer or service center.

### **IV. Support timing chart:**

| Timing Mode | Reference Standard | Resolution | Pixel MHz | FH KHz | FV Hz  | Interlace | H Polarity | V Polarity |
|-------------|--------------------|------------|-----------|--------|--------|-----------|------------|------------|
| Mode 1      | VESA               | 1280*1024  | 108       | 64     | 60     | NO        | +          | +          |
| Mode 2      | VESA               | 1280*1024  | 135       | 80     | 75.029 | NO        | +          | +          |
| Mode 3      | VESA               | 1280*1024  | 157.5     | 91.1   | 85     | NO        | +          | +          |

### **V. Mechanical Dimension:**



## **VI. FCC Warning Statement**

### **WARNING**

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.**
- Increase the separation between the equipment and receiver.**
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.**
- Consult the dealer or an experienced radio/TV technician for help.**

### **Notice:**

- (1) A Unshielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cord be used.*
- (2) Use only shielded cables to connect I/O devices to this equipment.*
- (3) Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*

## **VIII. Product General Specification**

| Model                        | OT17TA/CT17TA                                            | OT17TB/CT17TB       |
|------------------------------|----------------------------------------------------------|---------------------|
| Cabinet color                | Black                                                    |                     |
| Display size                 | 17.0"                                                    |                     |
| Active Area                  | 338 * 270 mm                                             |                     |
| Optimal Resolution           | 1280 * 1024                                              |                     |
| Color Arrangement            | RGB-stripe                                               |                     |
| Brightness (Panel)           | 300 cd/m <sup>2</sup> (typ)                              |                     |
| Contrast Ratio               | 500:1                                                    |                     |
| Response Time                | 8 ms (typ)                                               |                     |
| Viewing Angle                | 140 degrees (H)<br>130 degrees (V)                       |                     |
| Input Video Format           | VGA/DVI                                                  |                     |
| Input Video signal connector | D-Sub 15 pins                                            | D-Sub 15 pins+DVI-D |
| Power consumption            | 30W                                                      |                     |
| Input Frequency              | Horizontal : 31.5 kHz~60.2 kHz<br>Vertical : 56.3Hz~75Hz |                     |
| Power supply                 | DC 12V +/- 10%                                           |                     |
| Temperature                  | Operating : 0℃~40℃<br>Storage : -10℃~50℃                 |                     |
| Humidity                     | Operating : 20%~80%<br>Storage : 10%~90%                 |                     |
| Weight                       | 5.86Kg(net)                                              |                     |
| Approvals                    | CE, FCC , BSMI , CCC                                     |                     |
| Wall Mount                   | VESA 100 * 100 mm                                        |                     |
| Optional items               |                                                          |                     |
| Color                        | White                                                    |                     |
| Wall Mount                   | Bracket                                                  |                     |
| MSR                          | 3 Tracks                                                 |                     |
| 2nd Display                  | 7"/8.4"                                                  |                     |
| Customer Display             | VFD                                                      |                     |